

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1-12. (Cancelled)

13. (Original) A thin film of a plurality of layers over a substrate, wherein each layer is individually formed by the method, comprising:

depositing a layer of a first reactive species over the substrate;

chemically reacting the layer of the first reactive species with a second reactive species to create a first product; and

preferentially desorbing an unreacted reactive species leaving a layer of the first product.

14. (Original) The thin film, as recited in claim 13, wherein the depositing of a layer deposits a monolayer.

15. (Original) The thin film, as recited in claim 14, wherein the depositing of a layer is by simple vapor deposition.

16. (Original) The thin film, as recited in claim 15, wherein the simple vapor deposition is preformed by vaporizing a solid or liquid by heating.

17. (Original) The thin film, as recited in claim 16, wherein the unreacted reactive species that is desorbed is the first reactive species.